

**COUNTY OF SAN LUIS OBISPO BOARD OF SUPERVISORS
AGENDA ITEM TRANSMITTAL**

(1) DEPARTMENT Public Works	(2) MEETING DATE 9/10/2013	(3) CONTACT/PHONE Kidd C. Immel, Project Manager (805) 781-5981	
(4) SUBJECT Request to approve an agreement for engineering consulting services with Quincy Engineering, Inc., in an amount not to exceed \$539,093.71, for the El Camino Real over Santa Margarita Creek Bridge Replacement Project, Atascadero. District 5.			
(5) RECOMMENDED ACTION It is our recommendation that your Honorable Board: <ol style="list-style-type: none"> 1. Approve and execute an agreement with Quincy Engineering, Inc., in an amount not to exceed \$539,093.71, for the El Camino Real at Santa Margarita Creek Bridge Replacement Project; and 2. Authorize the Public Works Director to approve additional supplemental work for an aggregate amount not to exceed \$30,000. 			
(6) FUNDING SOURCE(S) HBP, Road Fund	(7) CURRENT YEAR FINANCIAL IMPACT \$569,093.71	(8) ANNUAL FINANCIAL IMPACT \$0.00	(9) BUDGETED? Yes
(10) AGENDA PLACEMENT <input checked="" type="checkbox"/> Consent <input type="checkbox"/> Presentation <input type="checkbox"/> Hearing (Time Est. ____) <input type="checkbox"/> Board Business (Time Est. ____)			
(11) EXECUTED DOCUMENTS <input type="checkbox"/> Resolutions <input checked="" type="checkbox"/> Contracts <input type="checkbox"/> Ordinances <input type="checkbox"/> N/A			
(12) OUTLINE AGREEMENT REQUISITION NUMBER (OAR) 19001285		(13) BUDGET ADJUSTMENT REQUIRED? BAR ID Number: N/A <input type="checkbox"/> 4/5th's Vote Required <input checked="" type="checkbox"/> N/A	
(14) LOCATION MAP Attached	(15) BUSINESS IMPACT STATEMENT? No	(16) AGENDA ITEM HISTORY <input checked="" type="checkbox"/> N/A Date:	
(17) ADMINISTRATIVE OFFICE REVIEW <i>Nikki J. Schmidt</i>			
(18) SUPERVISOR DISTRICT(S) District 5 -			

Reference: 13SEP10-C-9

County of San Luis Obispo



TO: Board of Supervisors

FROM: Public Works
Kidd C. Immel, Project Manager

VIA: Dave Flynn, Deputy Director of Public Works

DATE: 9/10/2013

SUBJECT: Request to approve an agreement for engineering consulting services with Quincy Engineering, Inc., in an amount not to exceed \$539,093.71, for the El Camino Real over Santa Margarita Creek Bridge Replacement Project, Atascadero. District 5.

RECOMMENDATION

It is our recommendation that your Honorable Board:

1. Approve and execute an agreement with Quincy Engineering, Inc., in an amount not to exceed \$539,093.71, for the El Camino Real at Santa Margarita Creek Bridge Replacement Project; and
2. Authorize the Public Works Director to approve additional supplemental work for an aggregate amount not to exceed \$30,000.

DISCUSSION

The existing El Camino Real Bridge is located about 2½ miles north of the Town of Santa Margarita. The original bridge (built circa 1900) was an 80-ft long, single-span, Pratt truss bridge. During the Great Depression in 1937, the California Division of Highways reconstructed the bridge by re-using the structural-steel members of the Pratt truss to build the now existing 80-ft long 5-span bridge.

The bridge is inspected every other year by Caltrans in accordance with Federal Highway Administration (FHWA) National Bridge Inventory (NBI) requirements. The NBI is a national database of all bridges in the United States more than 20-ft long. The NBI classifies this bridge as "Structurally Deficient" with an overall sufficiency rating (SR) of 47.9 out of 100. Moreover, the structure is founded on spread footings which have been and will continue to be subject to erosion of the underlying sandstone due to Santa Margarita Creek flows. Based on these conditions, the bridge is eligible for federal funding via the FHWA's Highway Bridge Program (HBP).

As part of the bridge replacement, the completed structure will be a 100-ft long single-span box-girder type structure with a width of 56 feet in order to support bike lanes and to add a center turn lane for the street intersections at each end of the bridge. These elements will enhance safety at this location.

The Public Works Department performed a qualifications based selection process, in accordance with County purchasing policies and as required by Caltrans administered federal-aid projects. Consultant qualifications were evaluated by a selection committee composed of a supervising engineer, supervising environmental specialist, and a Caltrans Local Assistance Engineer.

Quincy Engineering, Inc., (QEI) is the selection committee's top-ranked consultant. QEI has provided a satisfactory proposal indicating that they will perform the required work within the stipulated time frame for a "not to exceed price" of \$539,093.71.

This contract provides for QEI to perform professional and technical engineering, design, and environmental services including, but not limited to, Geotechnical Investigations, Environmental Surveys, Hydrology/Hydraulics, Bridge Design, Roadway Design, Drainage Design, and preparation of project reports, plans, specifications, and estimate (PS&E) package for the subject bridge. Quincy Engineering, Inc. will utilize the following firms:

- Avila and Associates of Walnut Creek for hydrology/hydraulics
- Kleinfelder of Fresno for Geotechnical Investigations
- SWCA of San Luis Obispo for Environmental Surveys

Quincy Engineering will provide the Public Works Department with final construction documents to advertise the project for construction. Barring any unforeseen delays, construction is expected to occur in 2018.

OTHER AGENCY INVOLVEMENT/IMPACT

Caltrans Office of Local Assistance, by agreement with FHWA administers the HBP program to the Local Agency level. Caltrans by separate agreement is also responsible for FHWA's responsibilities under the National Environmental Policy Act (NEPA) and other federal environmental laws such as the Endangered Species Act and Section 106 of the National Historic Preservation Act.

The Regional Water Quality Control Board, Army Corps of Engineers, National Marine Fisheries Services, U.S. Fish and Wildlife Service, California Department of Fish and Wildlife may all have to be contacted to obtain the necessary environmental clearance/permits. Various utility companies will be contacted.

The Santa Margarita Area Advisory Council reviewed the proposed project March 13, 2013, and support implementation.

FINANCIAL CONSIDERATIONS

The proposed agreement is for \$539,093.71, plus authorization of supplemental work not to exceed \$30,000, for total compensation of \$569,093.71.

This is a multi-year project budgeted in the Road Fund – WBS 300439 in the amount of \$597,420. Funding for this project will come from Federal Highway Administration's Highway Bridge Program (HBP) and Road Funds. The HBP program provides reimbursement at roughly 88% of project costs.

No budget adjustment is necessary at this time.

RESULTS

To provide the public with a geometrically and structurally sound bridge, that will help to maintain the integrity of the County Road System to improve safety and enhance quality of life for the community.

File: Contract No. 300439

Reference: 13SEP10-C-9

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ATTACHMENTS

1. Vicinity Map
2. Agreement for Engineering Consulting Services